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(54) Title: **IMPROVED ALUMINA CARRIERS AND SILVER-BASED CATALYSTS FOR THE PRODUCTION OF ALKY-
LENE OXIDES**

(57) Abstract: An improved carrier useful for preparing a catalyst having excellent catalytic performance when used in the produc-
tion of alkylene oxide, such as ethylene oxide. The carrier is obtained by a) impregnating a preformed alpha-alumina carrier with
at least one modifier selected from among alkali metal silicates and alkaline earth metal silicates, b) drying said impregnated car-
rier, and c) calcining said dried carrier. The carrier may optionally be washed, prior to being impregnated by conventional catalytic
material and/or promoter material.

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